

Description

Nucleating Agent

This application is a 371 of PCT/JP00/03912 filed on 06/15/2000.

Technical Field

The present invention relates to a nucleating agent containing a phosphoric acid ester metal salt, which exhibits excellent handling property and exerts excellent effects of improving transparency and mechanical strength of a resin; and more particularly to a nucleating agent characterized by having a certain average particle size, a certain aspect ratio, and a certain bulk specific gravity which individually fall within specified ranges, the agent exhibiting excellent handling property when incorporated into a resin, and exerting excellent effects of improving transparency and mechanical strength of the resin containing the agent.

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Background Art

Phosphoric acid aromatic ester metal salts are typical nucleating agents used to elevate the crystallization temperature of a crystalline synthetic resin and improving transparency and mechanical strength of the resin. Such a phosphoric acid aromatic ester metal salt serving as a nucleating agent is a pillar-shaped crystalline compound. When such an agent is incorporated into a resin, in order to enhance dispersibility of the agent in the resin, the agent is preferably finely pulverized so as to attain a particle